Abstract of the Disclosure

The invention relates to flame-retardant thermoset compositions which comprise, as flame retardant, at least one phosphinic salt of the formula (I) and/or a diphosphinic salt of the formula (II) and/or polymers of these (component A)

$$\begin{bmatrix} R^1 & 0 & 0 & 0 \\ R^2 & P & 0 & 0 \\ R^2 & 0 & 0 & 0 \end{bmatrix}$$
 m M m + (1)

$$\begin{bmatrix}
O & O & O & O \\
O - P - R & 3 & P - O \\
R & 1 & R & 2
\end{bmatrix}$$

$$M_{X}^{m} + (II)$$

where

R¹,R² are identical or different and are C₁-C₆-alkyl, linear or branched, and/or aryl;

R³ is C₁-C₁₀-alkylene, linear or branched, C₆-C₁₀-arylene, -alkylarylene or -arylalkylene;

M is Mg, Ca, Al, Sb, Sn, Ge, Ti, Zn, Fe, Zr, Ce, Bi, Sr, Mn, Li, Na, K and/or a protonated nitrogen base;

m is from 1 to 4;

n is from 1 to 4; and

x is from 1 to 4,

and also comprise as component B at least one synthetic inorganic compound and/or a mineral product. The invention further relates to a process for preparing these flame-retardant thermoset compositions.